



## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

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<b>(21) International Application Number:</b> PCT/IB99/01891 <b>(22) International Filing Date:</b> 3 November 1999 (03.11.99) <b>(30) Priority Data:</b> 9824045.0 3 November 1998 (03.11.98) GB <b>(71) Applicant (for all designated States except US):</b> EUROPEAN MOLECULAR BIOLOGY LABORATORY [DE/DE]; Postfach 102209, D-69012 Heidelberg (DE). <b>(72) Inventors; and</b> <b>(75) Inventors/Applicants (for US only):</b> COHEN, Stephen [CA/DE]; European Molecular Biology Laboratory, Postfach 102209, D-69012 Heidelberg (DE). BOUWMEESTER, Antonius [NL/DE]; European Molecular Biology Laboratory, Postfach 102209, D-69012 Heidelberg (DE). ROYET, Julien [FR/FR]; IBMC, UPR 9022 CNRS, 15, rue René Descartes, F-67084 Strasbourg Cedex (FR). <b>(74) Agent:</b> HALLYBONE, Huw, George; Carpmals & Ransford, 43 Bloomsbury Square, London WC1A 2RA (GB).	<b>(81) Designated States:</b> CA, JP, US, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).  <b>Published</b> <i>With international search report.</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>	
<b>(54) Title:</b> REGULATOR OF NOTCH SIGNALING ACTIVITY		
<b>(57) Abstract</b>  The invention relates to a novel regulator protein termed Notchless, and to nucleic acid that encodes this protein. The invention also relates to methods of diagnosis and therapy of certain diseases, particularly cancer and neurodegenerative diseases, using this protein and its encoding nucleic acids.		